

ABSTRACT

The invention relates to a device, especially an active backscatter transponder, for generating an oscillator signal based on a base signal. It comprises an oscillator for actively constructing the oscillator signal by oscillations, an input for the base signal and an output for the oscillator signal produced. The oscillator can be induced by the base signal to generate the oscillator signal in a quasi-coherent manner to the base signal. For the transmission of data, the device further has a data insertion device for inserting data or a data signal into the oscillator signal. A corresponding suitable receiver receives and processes the received signal that was generated and transmitted by such a device as a quasi-coherent signal. A separation device removes the signal portions of the oscillator from the received signal via the base signal of a receiver-side oscillator, with a data retrieval device for retrieving the inserted data.